# *Contents*


Albeverio, S., Tirozzi, B., Zegarlinski, B.: Rigorous Results for the Free Energy in the Hopfield Model 337
Altschuler, D., Coste, A.: Quasi-Quantum Groups, Knots, Three-Manifolds, and Topological Field Theory 83
Avan, J., Jevici, A.: Algebraic Structures and Eigenstates for Integrable Collective Field Theories 149

Bañuelos, R., Davis, B.: Sharp Estimates for Dirichlet Eigenfunctions in Horn-Shaped Regions 209
Benettin, G. → Carati, A. 321
Bricmont, J., Kupiainen, A.: Renormalization Group and the Ginzburg-Landau Equation 193
Burghelea, D., Friedlander, L., Kappeler, T.: On the Determinant of Elliptic Differential and Finite Difference Operators in Vector Bundles over $S^1$ ⟨*Erratum*⟩ 431

Carati, A., Benettin, G., Galgani, L.: Towards a Rigorous Treatment of the Jeans-Landau-Teller Method for the Energy Exchanges of Harmonic Oscillators 321
Cherednik, I.: Quantum Knizhnik-Zamolodchikov Equations and Affine Root Systems 109
Coste, A. → Altschuler, D. 83

Davis, B. → Bañuelos, R. 209
Delshams, A., Seara, T. M.: An Asymptotic Expression for the Splitting of Separatrices of the Rapidly Forced Pendulum 433
Dunne, G.: Chern–Simons Solitons, Toda Theories and the Chiral Model 519

Friedlander, L. → Burghelea, D. 431

Galgani, L. → Carati, A. 321
Gambaudo, J.-M., Tresser, C.: Self-Similar Constructions in Smooth Dynamics: Rigidity, Smoothness and Dimension 45
Gesztesy, F., Graf, G. M., Simon, B.: The Ground State Energy of Schrödinger Operators 375
Graf, G. M. → Gesztesy, F. 375

Hajicek, P.: Quantum Mechanics of Gravitational Collapse 545

Jeffrey, L. C., Weitsman, J.: Bohr-Sommerfeld Orbits in the Moduli Space of Flat Connections and the Verlinde Dimension Formula 593
Jevicki, A. → Avan, J. 149

Kappeler, T. → Burghelea, D. 431
Kozameh, C., Mason, L., Newman, E. T.: The Parallel Propagator as Basic Variable for Yang–Mills Theory 537
Kreuzer, M., Skarke, H.: On the Classification of Quasihomogeneous Functions 137
Kupiainen, A. → Bricmont, J. 193

Llave, R. de la: Smooth Conjugacy and S-R-B Measures for Uniformly and Non-Uniformly Hyperbolic Systems 289
Lu, Y.: Convergence of the Viscosity Method for a Nonstrictly Hyperbolic Conservation Law 59

Martin, C., Piard, A.: Classification of the Indecomposable Bounded Admissible Modules over the Virasoro Lie Algebra with Weightspaces of Dimension not Exceeding Two 465
Mason, L. → Kozameh, C. 537
Matsui, T.: Remarks on Duality of 1 Dimensional Quantum Spin Models 65
Moeckel, R.: A Nonintegrable Model in General Relativity 415

Newman, E. T. → Kozameh, C. 537
Ninnemann, H.: Deformations of Super Riemann Surfaces 267

Nusse, H. E., Yorke, J. A.: The Equality of Fractal Dimension and Uncertainty Dimension for Certain Dynamical Systems 1

Odzijewicz, A.: Coherent States and Geometric Quantization 385
Ogievetsky, O., Schmidke, W. B., Wess, J., Zumino, B.: $q$-Deformed Poincaré Algebra 495

Piard, A. → Martin, C. 465
Piunikhin, S. → Thang, L. T. Q. 23
Podleś, P.: The Classification of Differential Structures on Quantum 2-Spheres 167

Rein, G., Rendall, A. D.: Global Existence of Solutions of the Spherically Symmetric Vlasov–Einstein System with Small Initial Data 561
Rein, G., Rendall, A. D.: The Newtonian Limit of the Spherically Symmetric Vlasov–Einstein System 585
Rendall, A. D. → Rein, G. 561
Rendall, A. D. → Rein, G. 585
Rychlik, M., Sorets, E.: Regularity and Other Properties of Absolutely Continuous Invariant Measures for the Quadratic Family 217

Sadov, V. → Thang, L. T. Q. 23
Schmidke, W. B. → Ogievetsky, O. 495
Seara, T. M. → Delshams, A. 433
Simon, B. → Gesztesy, F. 375
Skarke, H. → Kreuzer, M. 137
Sklyanin, E. K.: Separation of Variables in the Classical Integrable $SL(3)$ Magnetic Chain 181
Sorets, E. → Rychlik, M. 217

Thang, L. T. Q., Piunikhin, S., Sadov, V.: Local Rules for Quasiperiodic Tilings of Quadratic 2-Planes in $R^4$ 23
Tirozzi, B. → Albeverio, S. 337
Tresser, C. → Gambaudo, J.-M. 45
Tuynman, G. M.: Geometric Quantization of the BRST Charge 237

Weitsman, J. → Jeffrey, L. C. 593
Wess, J. → Ogievetsky, O. 495

Yorke, J. A. → Nusse, H. E. 1

Zegarlinski, B. → Albeverio, S. 337
Zumino, B. → Ogievetsky, O. 495

Indexed in *Current Contents*
Evaluated and abstracted for *PHYS* on *STN*